

MOROZ3.ST25.txt
SEQUENCE LISTING

```

<110>  MOROZ, Chaya
<120>  DNA SEQUENCE ENCODING ONCOFETAL FERRITIN PROTEIN
<130>  MOROZ3
<140>  09/786,867
<141>  2001-08-21
<150>  IL 126181
<151>  1998-09-11
<150>  PCT IL99/00485
<151>  1999-09-08
<160>  37
<170>  PatentIn version 3.1
<210>  1
<211>  890
<212>  DNA
<213>  Homo sapiens
<400>  1
ttgacaccag accaactggt aatggttagcg accggcgctc agctggaatt caaaaaatgt      60
aatgcacact ccattgcatt cagcccgctt ctccttagtc gccgccatga cgaccgcgtc      120
cacctcgtag gtgcgccaga actaccacca ggactcagag gccgccatca accgccagat      180
caacctggag ctctacgcct cctacgttta cctgtccatg tcttactact ttgaccgcga      240
tgatgtggct ttgaagaact ttgccaaata ctttcttcac caatctcatg aggagaggga      300
acatgctgag aaactgatga agctgcagaa ccaacgaggt ggccgaatct tccttcagga      360
tatcaagaaa ccagactgtg atgactggga gagcgggctg aatgcaatgg agtgtgcatt      420
acatttgga aaaaaatgtga atcagtcact actggaattc ctttctccta tctctcccag      480
tcctagctgc tggcatcact atactactaa cagaccgcaa cctcaacacc accttcttcg      540
accccgccgg aggaagagac cccattctat accaacacct attctgattt ttcggtcacc      600
ctgaagttaa tattcttatt ctaccaggct tcggaataat ctcccatatt gtaacttact      660
actccggaaa tcgctgtcgc ctaaccgcta acattactgc aggccaccta ctcatgcacc      720
taattggaag cgccacccta gcaatatcaa ccattaacct tccctctaca cttatcatct      780
tcacaattct aattctactg actatcctag aaatcgctgt cgccttaatc caagcctacg      840
ttttcacact tctagtaagc ctctacctgc acgacaacac ataaaaaaaaa      890

<210>  2
<211>  880
<212>  DNA
<213>  Homo sapiens
<400>  2
gggggacgga acccggcgct cgttccccac cccggccggc cgcccatagc cagccctccg      60
tcacctcttc accgcaccct cggactgccc caaggcccc gccgccgctc cagcgccgcg      120

```

MOROZ3.ST25.txt

cagccaccgc	cgccgccgcc	gcctctcctt	agtcgccgcc	atgacgaccg	cgtccacctc	180
gcaggtgcmc	cagaactacc	accaggactc	agaggccgcc	atcaaccgcc	agatcaacct	240
ggagctctac	gcctcctacg	tttacctgtc	catgtcttac	tactttgacc	gcgatgatgt	300
ggctttgaag	aactttgccca	aatactttct	tcaccaatct	catgaggaga	gggaacatgc	360
tgagaaactg	atgaagctgc	agaaccaacg	aggtggccga	atcttccttc	aggatatcaa	420
gaaaccagac	tgtgatgact	gggagagcgg	gctgaatgca	atggagtgtg	cattacattt	480
ggaaaaaaat	gtgaatcagt	cactactgga	actgcacaaa	ctggccactg	acaaaaatga	540
ccccattttg	tgtgacttca	ttgagacaca	ttacctgaat	gagcagggtga	aagccatcaa	600
agaattgggt	gaccacgtga	ccaacttgcg	caagatggga	gcgcccgaat	ctggcttggc	660
ggaatatctc	tttgacaagc	acaccctggg	agacagtgat	aatgaaagct	aagcctcggg	720
ctaatttccc	atagccgtgg	ggtgacttcc	ctggtcacca	aggcagtgca	tgcatgcatg	780
ttggggtttc	ctttaccttt	tctataagtt	gtacccaaaac	atccacttaa	gttctttgat	840
ttgtaccatt	ccttcaaata	aagaaatttg	gtacccaaaa			880

<210> 3
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 3	cttctcctat	ctctcccagt	cctagctgct	ggcatcacta	tactactaac	agaccgcaac	60
	ctcaacacca	ccttcttcga	ccccgccgga	ggaagagacc	ccattctata	ccaacaccta	120
	ttctgatttt	tcggtcaccc	tgaagtttat	attcttatcc	taccaggctt	cggaataatc	180
	tcccatattg	taacttacta	ctccggaaa				209

<210> 4
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 4	cttctcctat	ctctcccagt	cctagctgct	ggcatcacta	tactactaac	agaccgcaac	60
	ctcaacacca	ccttcttcga	ccccgccgga	ggaggagacc	ccattctata	ccaacaccta	120
	ttctgatttt	tcggtcaccc	tgaagtttat	attcttatcc	taccaggctt	cggaataatc	180
	tcccatattg	taacttacta	ctccggaaa				209

<210> 5
 <211> 891
 <212> DNA
 <213> Homo sapiens

<400> 5	ttgacaccag	accaactggt	aatggtagcg	accggcgctc	agctggaatt	ccaaaaaatg	60
	taatgcacac	tccattgcat	tcagcccgcc	tctccttagt	cgccgccatg	acgaccgcgt	120
	ccacctcgca	ggtgcgccag	aactaccacc	aggactcaga	ggccgccatc	aaccgccaga	180

MOROZ3.ST25.txt

tcaacctgga gctctacgcc tcctacgttt acctgtccat gtcttactac ttgaccgcg 240
atgatgtggc ttggaagaac ttgccaaat actttcttca ccaatctcat gaggagaggg 300
aacatgctga gaaactgatg aagctgcaga accaacgagg tggccgaatc ttccttcagg 360
atatcaagaa accagactgt gatgactggg agagcgggct gaatgcaatg gagtgtgcat 420
tacatttgga aaaaaatgtg aatcagtcac tactggaatt cccttctcct atctctccca 480
gtcctagctg ctggcatcac tataactacta acagaccgca acctcaacac caccttcttc 540
gaccccgccg gaggaagaga cccatttcta taccaacacc tattctgatt ttcgggtcac 600
cctgaagttt atattcttat cctaccaggc ttcggaataa tctcccatat tgtaacttac 660
tactccggaa atcgctgtcg cctaaccgct aacattactg caggccacct actcatgcac 720
ctaattggaa gcgccaccct agcaatatca accattaacc ttccctctac acttatcatc 780
ttcacaattc taattctact gactatccta gaaatcgctg tcgccttaat ccaagcctac 840
gttttcacac ttctagtaag cctctacctg cagcacaaca cataaaaaaa a 891

<210> 6
<211> 165
<212> PRT
<213> Homo sapiens

<400> 6

Met Thr Thr Ala Ser Thr Ser Gln Val Arg Gln Asn Tyr His Gln Asp
1 5 10 15

Ser Glu Ala Ala Ile Asn Arg Gln Ile Asn Leu Glu Leu Tyr Ala Ser
20 25 30

Tyr Val Tyr Leu Ser Met Ser Tyr Tyr Phe Asp Arg Asp Asp Val Ala
35 40 45

Leu Lys Asn Phe Ala Lys Tyr Phe Leu His Gln Ser His Glu Glu Arg
50 55 60

Gln His Ala Glu Lys Leu Met Lys Leu Gln Asn Gln Arg Gly Gly Arg
65 70 75 80

Ile Phe Leu Gln Asp Ile Lys Lys Pro Asp Cys Asp Asp Trp Glu Ser
85 90 95

Gly Leu Asn Ala Met Glu Cys Ala Leu His Leu Glu Lys Asn Val Asn
100 105 110

Gln Ser Leu Leu Glu Phe Pro Ser Pro Ile Ser Pro Ser Pro Ser Cys
115 120 125

Trp His His Tyr Thr Thr Asn Arg Pro Gln Pro Gln His His Leu Leu
130 135 140

MOROZ3.ST25.txt

Arg Pro Arg Arg Arg Lys Arg Pro His Ser Ile Pro Thr Pro Ile Leu
145 150 155 160

Ile Phe Arg Ser Pro
165

<210> 7
<211> 24
<212> DNA
<213> Homo sapiens

<400> 7
ggtggcgacg actcctggag cccg 24

<210> 8
<211> 24
<212> DNA
<213> Homo sapiens

<400> 8
ttgacaccag accaactggt aatg 24

<210> 9
<211> 27
<212> DNA
<213> Homo sapiens

<400> 9
gaccgcgatg atgtggcttt gaagaac 27

<210> 10
<211> 24
<212> DNA
<213> Homo sapiens

<400> 10
gataggatct ttagcgacag ccga 24

<210> 11
<211> 24
<212> DNA
<213> Homo sapiens

<400> 11
atggcgccct ctgagtcctg gtgg 24

<210> 12
<211> 24
<212> DNA
<213> Homo sapiens

<400> 12
cgggctgaat gcaatggagt gtgc 24

<210> 13
<211> 18
<212> DNA
<213> Homo sapiens

<400> 13 gacccccatt tgtgtgac	18
<210> 14 <211> 19 <212> DNA <213> Homo sapiens	
<400> 14 cgacgactcc tggagcccg	19
<210> 15 <211> 24 <212> DNA <213> Homo sapiens	
<400> 15 ttgacaccag accaactcgt aatg	24
<210> 16 <211> 24 <212> DNA <213> Homo sapiens	
<400> 16 agccgacagc gatttctagg atag	24
<210> 17 <211> 27 <212> DNA <213> Homo sapiens	
<400> 17 gttcttcaaa gccacatcat cgcggtc	27
<210> 18 <211> 28 <212> DNA <213> Homo sapiens	
<400> 18 gctttcatta tcaactgtctc ccagggtg	28
<210> 19 <211> 24 <212> DNA <213> Homo sapiens	
<400> 19 cagacgttct tcgccgagag tcgt	24
<210> 20 <211> 27 <212> DNA <213> Homo sapiens	
<400> 20 cagacgttct tcgccgagag tcgtcgg	27
<210> 21	

<211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 21
 catttcgggg attcggggga 20

 <210> 22
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 22
 gggggacgga acccggcgct 20

 <210> 23
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 23
 ccctctacac ttatcatctt c 21

 <210> 24
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <400> 24
 ctatcctaga aatcgctgtc ggct 24

 <210> 25
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <400> 25
 gtcactactg gaattccctt ctcc 24

 <210> 26
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <400> 26
 ggagaaggga attccagtag tgac 24

 <210> 27
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 27
 ggaaatcgct gtcgcctaac c 21

 <210> 28
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 28

ggttaggcga cagcgatttc c	MOROZ3.ST25.txt	21
<210> 29 <211> 20 <212> DNA <213> Homo sapiens		
<400> 29 ggccacgcgt cgactagtac		20
<210> 30 <211> 20 <212> DNA <213> Homo sapiens		
<400> 30 gtaatgcaca ctccattggc		20
<210> 31 <211> 18 <212> DNA <213> Homo sapiens		
<400> 31 gtaatgcaca ctccattg		18
<210> 32 <211> 18 <212> DNA <213> Homo sapiens		
<400> 32 gcgctcagct ggaattcc		18
<210> 33 <211> 18 <212> DNA <213> Homo sapiens		
<400> 33 ggaattccag ctgagcgc		18
<210> 34 <211> 29 <212> DNA <213> Homo sapiens		
<400> 34 gtgggatccc catgacgacc gcgtccacc		29
<210> 35 <211> 27 <212> DNA <213> Homo sapiens		
<400> 35 gactcgagtt aagccgacag cgatttc		27
<210> 36 <211> 29		

MOROZ3.ST25.txt

<212> DNA
<213> Homo sapiens

<400> 36
gactcgagtc agggtgaccg aaaaatcag 29

<210> 37
<211> 31
<212> DNA
<213> Homo sapiens

<400> 37
cccgctcgag tcagggtgac cgaaaaatca g 31